

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A data communication apparatus comprising:
an enclosure;
a mobile phone function unit arranged in said enclosure;
a loop coil antenna arranged so that at least a portion of a conductor extends along the peripheral of lateral surfaces, said lateral surfaces forming said enclosure with the exclusion of both major surfaces of enclosure; and

a semiconductor integrated circuit connected to said loop coil antenna, said semiconductor integrated circuit carrying out non-contact data communication over said loop coil antenna with an exterior communication device by using electromagnetic induction and/or a reader writer function.

2. (Original) The data communication apparatus according to claim 1 wherein said conductor is arranged for extending along the entire periphery of said enclosure.

3. (Original) The data communication apparatus according to claim 1 wherein said loop coil antenna is of a three-dimensional shape, with said conductor being mounted for extending spirally along the lateral surfaces of said enclosure.

4. (Original) The data communication apparatus according to claim 3 wherein said loop coil antenna is formed by forming a plurality of patterned linear copper foils on a major surface of a flexible insulating substrate along a direction perpendicular to the longitudinal direction of said insulating substrate.

5. (Original) The data communication apparatus according to claim 1 wherein said loop coil antenna is formed by being embedded in a lateral surface of said enclosure.

6. (Canceled)

7. (Original) The data communication apparatus according to claim 1 wherein said loop coil antenna is formed by a first loop coil antenna, electrically connected to a non-contact IC card circuit part, implementing the non-contact IC card function of said semiconductor integrated circuit, and a second loop coil antenna, electrically connected to a reader/writer circuit part, implementing the reader/writer function of said semiconductor integrated circuit, and wherein both of said first loop coil antenna and the second loop coil antenna are arranged on the lateral side of said enclosure.

8. (Canceled)

9. (Previously Presented) The data communication apparatus according to claim 7 wherein said enclosure includes a main body part and a display part mounted for opening/closure relative to said main body part.

10. (Previously Presented) The data communication apparatus according to claim 9 wherein one of said first and second loop coil antennas is arranged in said main body part of said enclosure and the other of said first and second loop coil antennas is arranged in said display part thereof.

11. (Previously Presented) The data communication apparatus according to claim 9 wherein both of said first and second loop coil antennas are arranged in said main body part of said enclosure.

12. (Previously Presented) The data communication apparatus according to claim 9 wherein both of said first and second loop coil antennas are arranged in said display part of said enclosure.